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IDENTIFIERS *Wyoming

ABSTRACT

The Wyoming Comprehensive Occupational Education Program (K through community college) focuses on positive work attitudes and job-entry skills. In kindergarten through grade six, occupational attitudes are incorporated into the existing elementary school curriculum. A career-orientation program is designed for grades seven and eight that provides occupational information, job interests and aptitudes, job applications and interviews, and the future employment outlook. Students are supplied with the Wyoming Occupation Resource Kits (WORK) from the State Department of Education. Career exploration is the theme in grades nine and ten; students are provided with the opportunity to explore various occupational clusters and to establish a tentative choice of occupational goal by age 16. This is followed by the development of career preparation broad skill programs in grades 11 and 12 that encourage the development of cooperative education programs: industrial cooperative education, distributive education, cooperative office education, cooperative agriculture occupations, cooperative service occupations, and diversified occupations. Postsecondary (grades 13 and 14) and adult education programs for training/retraining are provided by the community colleges. (EA)

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U.S. DEPARTMENT OF HEALTH
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JUL 14 1975

Comprehensive Occupational Education....

PROGRAM DESIGN

2

A COMPREHENSIVE OCCUPATIONAL EDUCATION PROGRAM

Developed by
Dean P. Talagan, Ed. D.

Wyoming State Department of Education
Harry Roberts, State Superintendent of Public Instruction

1970

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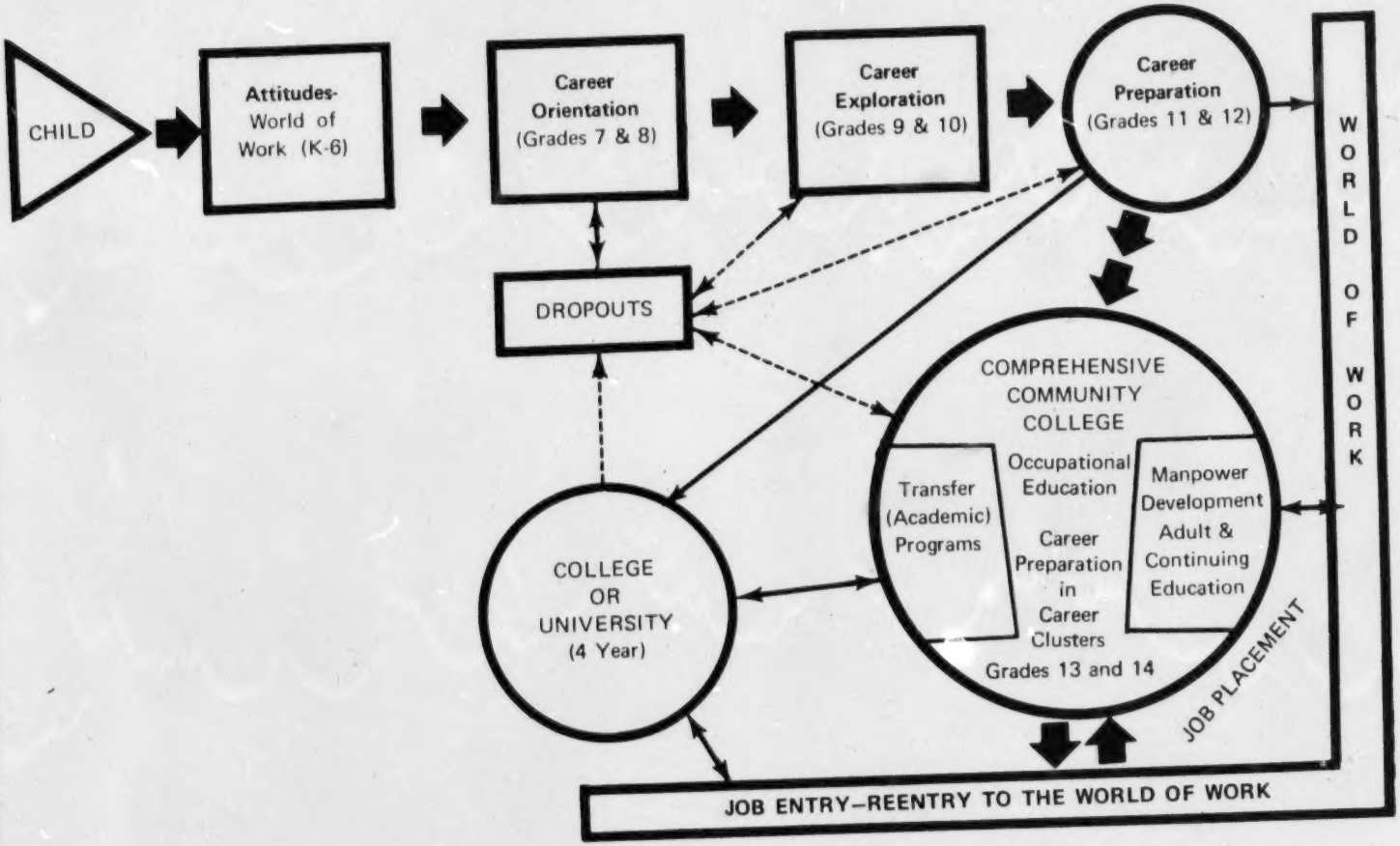
WYOMING MODEL

"A Comprehensive Occupational Education Program Design"


CHILD
Attitudes- World of Work (K-6)
Career Orientation (Grades 7 & 8)
Career Exploration (Grades 9 & 10)
Career Preparation (Grades 11 & 12)
WORLD OF WORK
DROPOUTS
COMPREHENSIVE COMMUNITY COLLEGE
Transfer (Academic) Programs
Occupational Education
Career Preparation in Career Clusters
Manpower Development Adult & Continuing Education
Grades 13 and 14
JOB PLACEMENT
COLLEGE OR UNIVERSITY (4 Year)
JOB ENTRY–REENTRY TO THE WORLD OF WORK

FOREWORD

Education has three major goals: personal (self-image) development, citizenship development and occupational development.

We have too long fragmented education into mythical divisions of academic, general and vocational education.

Nationally, our schools have too long concentrated on college preparatory programs and have disregarded the fact that the great majority of graduates do not enter college.

Sixty percent of our young people go directly to work after high school.

Most individuals, including businessmen, labor leaders, teachers, and parents have taken the attitude that job education is designed for somebody else's children.

We have erroneously promoted the idea that the only good education is a four-year college education. Some occupations require a four-year college education while others require different preparation.

It is time to begin programming for *all* children. Occupational guidance services are a must.

Our dropout rates at the public school and college levels are a reason for concern.

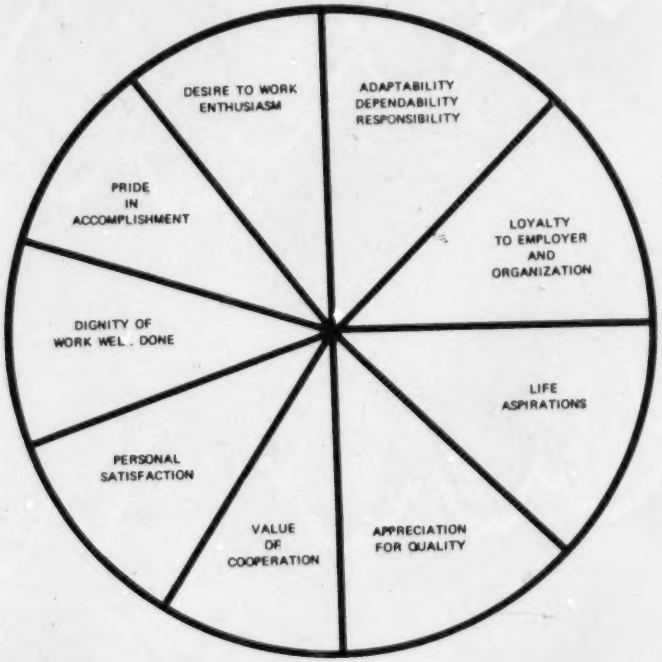
To be successful in work, everyone needs attitudes, skills, understandings, basic tools and competencies. (These include the language arts, social studies, and computational skills.)

A comprehensive occupational education program begins in kindergarten or preschool and continues throughout life. Whether a child goes to a university, a community college or directly into the world of work, the fact remains that one day he will work. In order to be successful, all children need certain attitudes and job-entry skills.

Wyoming's approach to Comprehensive Occupational Education is based on the following model that is being developed in schools throughout the State as approved by the State Board of Education and the Governor's Advisory Council on Occupational Education.

Dean P. Talagan, Ed. D.
Chief of Occupational Education

KINDERGARTEN to GRADE 6



WYOMING COMPREHENSIVE OCCUPATIONAL EDUCATION PROGRAM

Emphasis is placed upon development of ATTITUDES TOWARD THE WORLD of WORK without changing the existing curriculum. Projects to develop in ALL children a respect for ALL work and a motivation for productive citizenship in the world of work.

Desirable attitudes for employability to be emphasized are illustrated on the chart.

This program does not call for additional curriculum, since elementary teachers are presently overloaded with several subjects. It is merely a new emphasis in the existing curriculum to develop positive attitudes about the world of work as an enrichment program.

Examples:

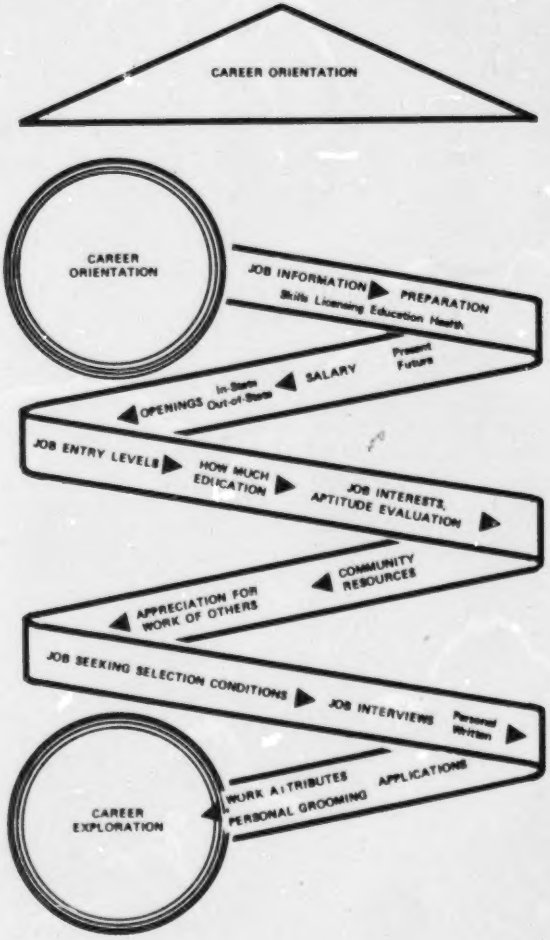
(Social Studies) George Washington was not only President of the United States, but a surveyor, farmer, soldier and statesman. He held many jobs which made up his career.

(Language Arts) Instead of instructing students to prepare a list of common nouns, they are asked to list as many occupations in the community as they can think of under common nouns.

(Reading) Themes such as "Seventeen Million New Jobs," are emphasized.

Resource people from the community are asked to come to school and discuss attitudes they look for in their employees.

GRADES 7 and 8



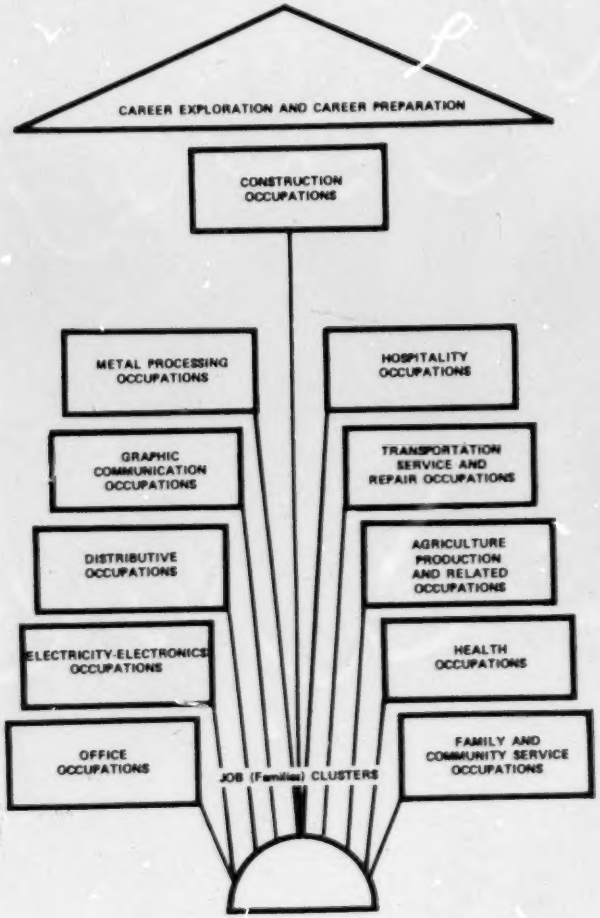
The attitude program is continued.

A CAREER-ORIENTATION PROGRAM for all youth is developed to provide them with an understanding about broad areas of our economy such as manufacturing, construction, service, marketing, agriculture, business and professions.

This program will provide information in class, by use of field trips and resource individuals on: job information on various occupations such as type of work performed, conditions of work, requirements such as skills, licensing, education and health, job applications and interviews, future employment outlook, (in-state, out-of-state) earnings and job-entry levels, job interests, aptitude, evaluation, community resources and appreciation for the work of others, work attributes, personal grooming.

Students will be supplied with WYOMING OCCUPATION RESOURCE KITS (W.O.R.K.) from the State Department of Education and commercial reader printers, micro fiche such as Project VIEW (Vocational Information for Education and Work) can be used to discuss information on jobs with parents and friends.

GRADES 9 and 10



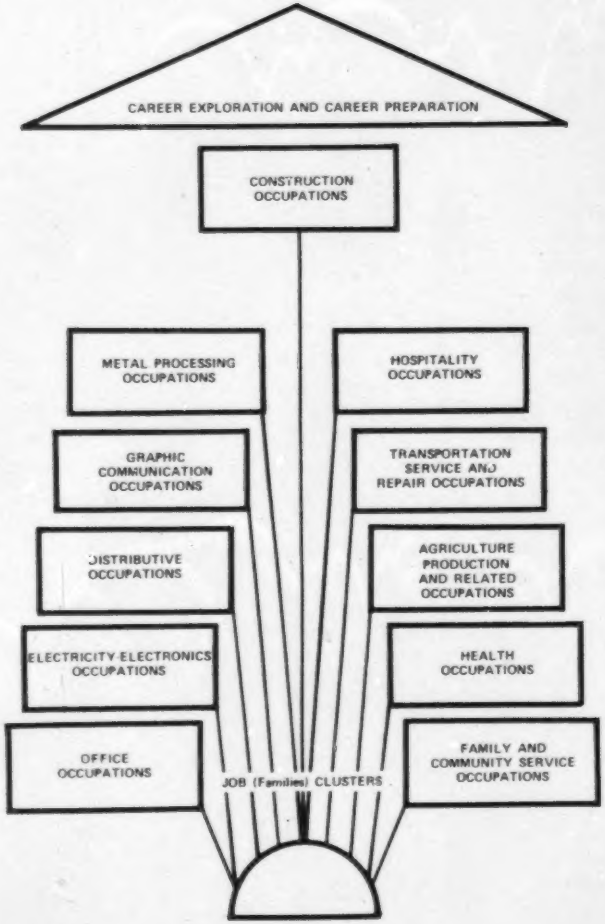
The attitude program is continued.

A broad CAREER EXPLORATION PROGRAM leading toward a tentative choice of an occupational goal by age sixteen will be established.

Practical arts classes can be established in industry, business, marketing, agriculture, etc. Industrial arts and home economics are current examples to be expanded.

Students are provided with the opportunity to explore various occupational clusters. They can receive consumer education, home-making plastics, wood, metals, power mechanics, office machines, etc. This is done prior to skill training in a particular cluster.

GRADES 11 and 12



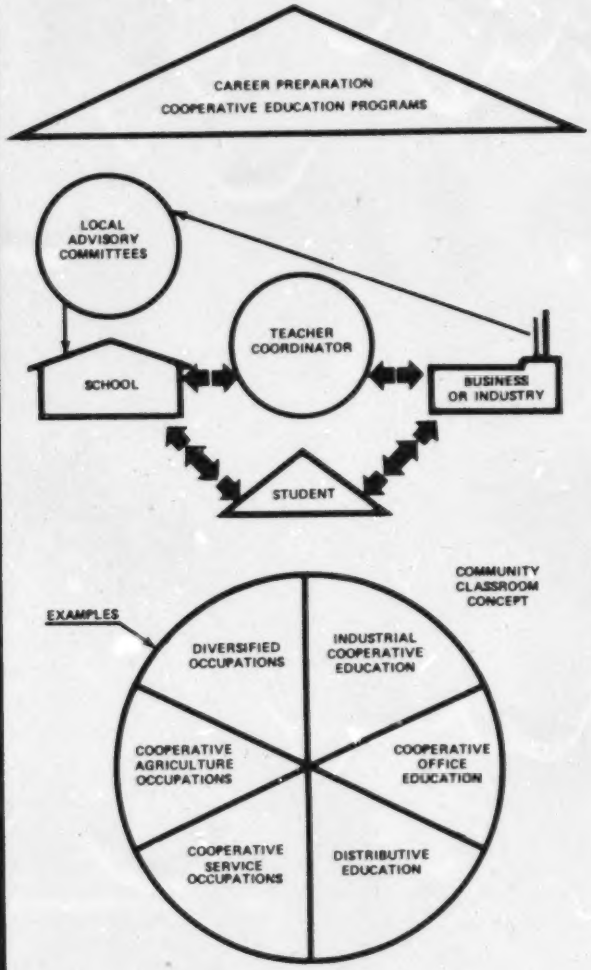
Development of CAREER PREPARATION BROAD-SKILL PROGRAMS serving a wide range of interests and abilities and employment opportunities.

We must draw upon basic skill subjects such as language arts and mathematics.

Occupational programs are found in clusters or "job families." These are illustrated on the following chart.

It is not always possible to build elaborate and expensive occupational training facilities; therefore, we encourage the development of *cooperative education programs.*

> These are programs in which the school and a business or industry cooperate in educating a student for a career in that business or industry.
>
> Under the guidance of a qualified teacher-coordinator, students attend classes for part of the day and receive on-the-job training under actual working conditions out in the community for the other part.
>
> Existing occupational classes will be expanded and supported.



This is the *Community Classroom Concept.*

Cooperative programs are part of the public school or community college system. They provide practical on-the-job experience. They involve the community as partners in the educational enterprise.

Examples:

Industrial Cooperative Education (ICE) trades such as auto mechanics. electronics, printing;

Distributive Education (DE) sales, advertising, marketing, merchandising, management;

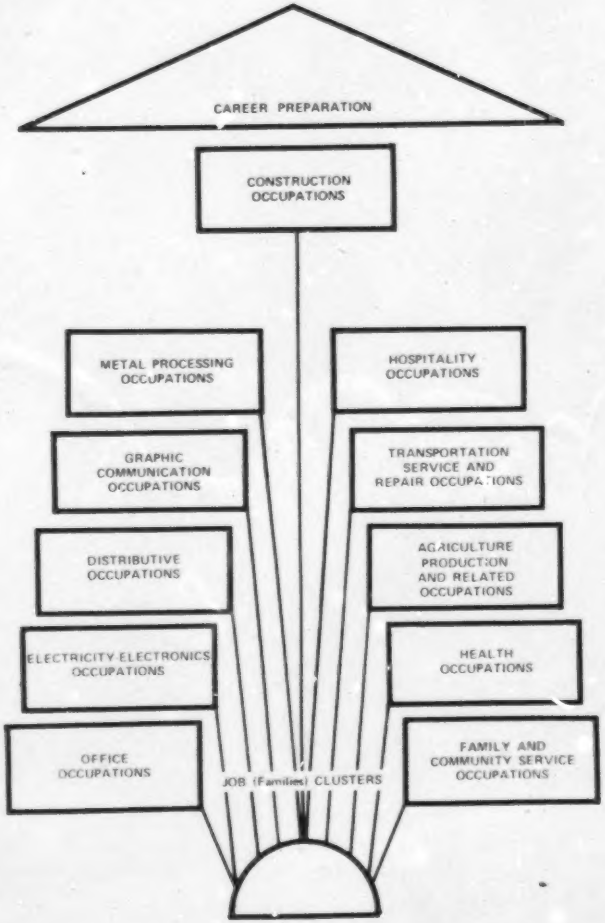
Cooperative Office Education (COE) business and secretarial skills such as data processing, general clerical work or secretarial training;

Cooperative Agriculture Occupations—included in this program are production, processing, distribution and services.

Cooperative Service Occupations—included in this are child care, food and nutrition, housekeeping, clothing;

Diversified Occupations (DO)—several of the above-named occupations may be included in this program. An individual student receives training in only one. This program is valuable for Wyoming's small communities with limited work stations.

GRADES 13 and 14



More complete occupational programs are developed in the previously mentioned eleven cluster areas.

Post-secondary and adult education programs for training and retraining.

"The Wyoming Community College Code of 1967" Session Laws of Wyoming, Chapter 217, provides the following definition: Sec. 2(f)

> "Community college" an institution which offers programs of academic work in the freshman and sophomore years of college, general and vocational education in terminal programs and adult education services established under the provisions of this Act.

Comprehensive community college career preparation programs provide students with the opportunity for mobility between various programs to develop career interests.

Adult and continuing education through the State Department of Education provides funding and consultation in G.E.D., Adult Basic Education, Veterans Education, Manpower Development Training.

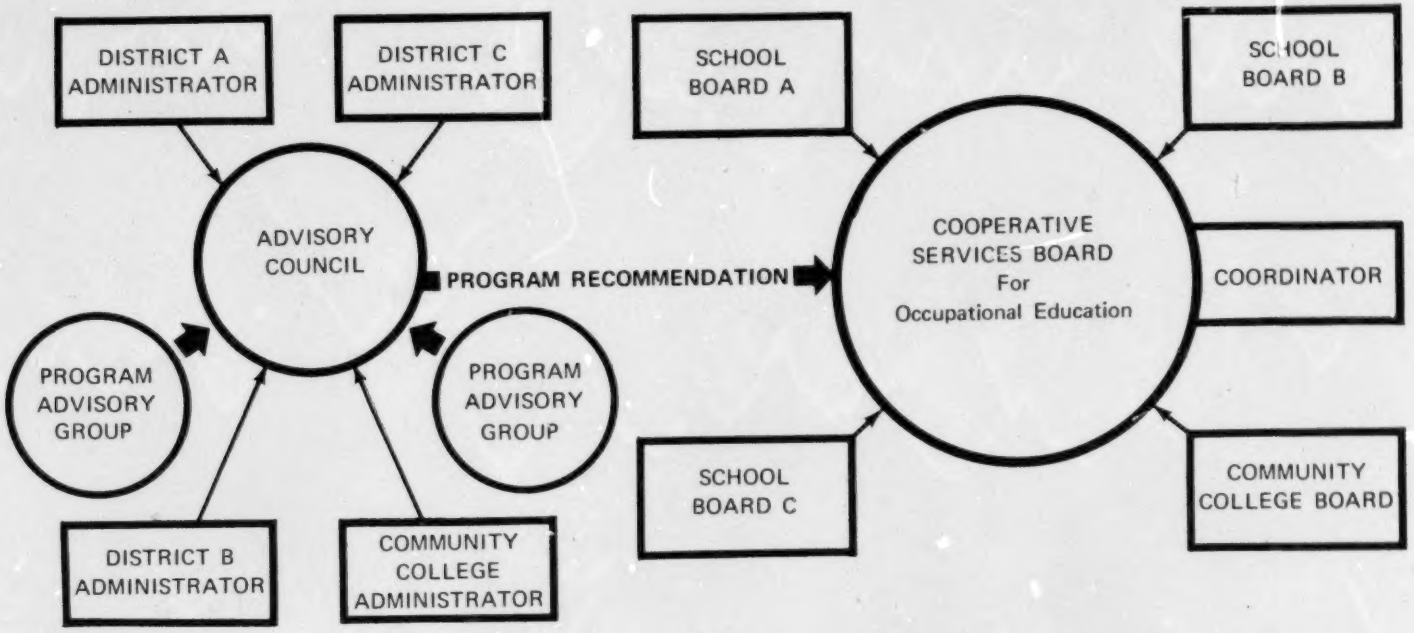
Adult-continuing education is a charge of the community colleges.

OCCUPATIONAL EDUCATION PROGRAM STRATEGY

The Boards of Cooperative Educational Services of 1969 Act of the Wyoming Legislature authorized the establishment of cooperative boards in Wyoming.

The model below is an example of how Cooperative Boards for Occupational Education can coordinate a total program from kindergarten through the community college in a region of the State.

STRATEGY



SERVICES OF THE OCCUPATIONAL EDUCATION DIVISION OF THE STATE DEPARTMENT OF EDUCATION

This division provides consultative services to the public schools and seven community colleges of Wyoming in occupational programming.

These consultative services include:

Comprehensive occupational program development in elementary, secondary, post-secondary, adult and continuing education.

Elementary	Attitude, world of work phase
Junior high	Career orientation phase
Junior-senior high	Career exploration phase
Senior high-community college	Career preparation phase

Regulatory duties such as approval of occupational (vocational) foundation units are assigned to the section together with approval of applications for federal funds under several programs.

Program assistance includes:

Cooperative occupational education;

Survey of needs and program development;

Programming assistance in the following cluster areas:

- Office occupations
- Graphic communication occupations
- Production agriculture and related occupations
- Metal processing occupations
- Construction occupations
- Transportation service and repair occupations
- Hospitality occupations
- Health occupations
- Distributive occupations
- Electricity-electronics occupations
- Family and community service occupations;

Occupational guidance and counseling;

Manpower development training and adult basic education;

Private school licensing, and high school equivalency;

Veteran's education and civil defense education.

STAFF SERVICES

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Bruce Perryman, Administrative Assistant and Director
of Wyoming Research Coordinating Unit

ADULT-CONTINUING EDUCATION SERVICES:

Paul Peters
Richard Rowles
Harold Lutz
Lyle McIrvin
Jack Mueller

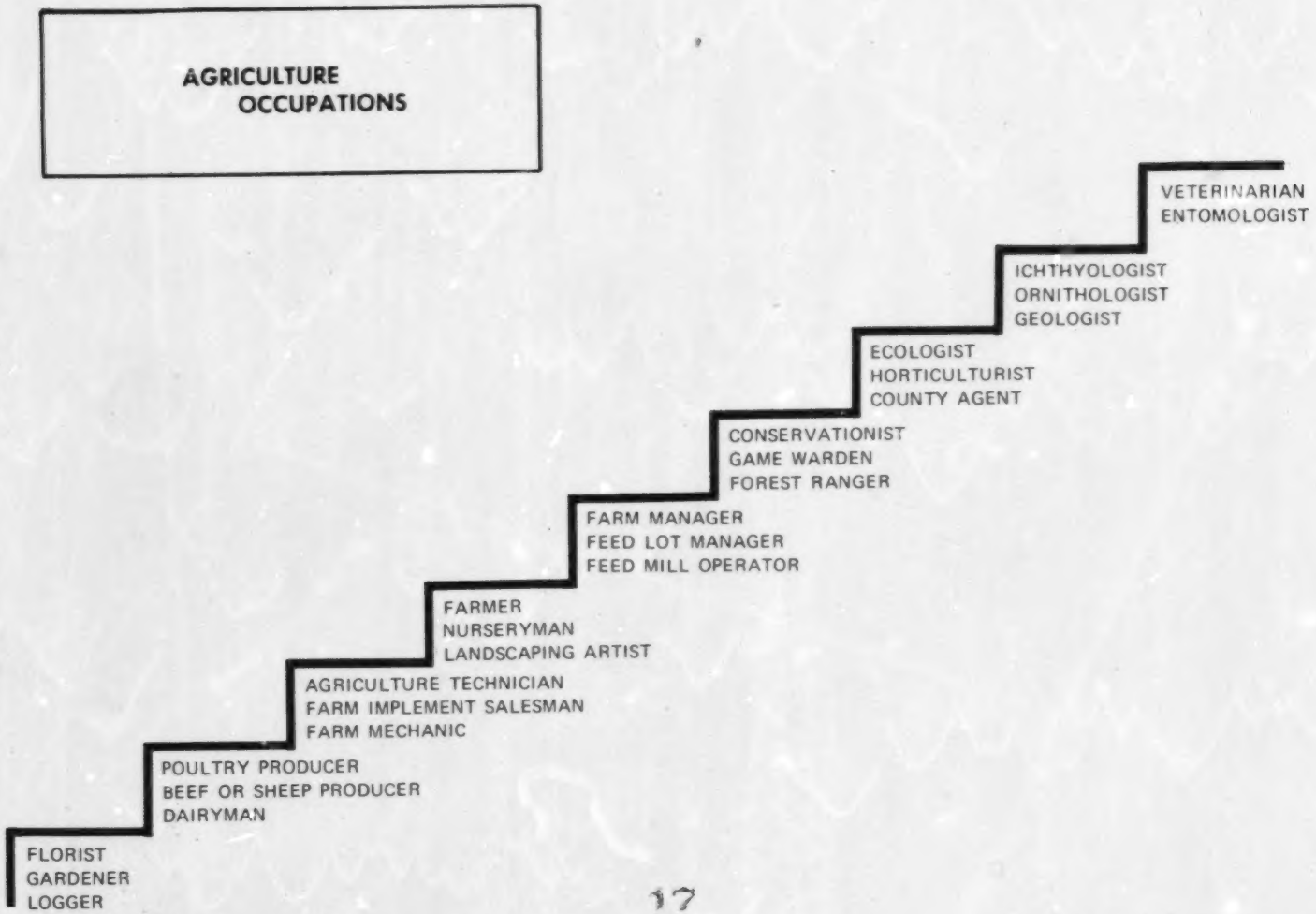
PROGRAM CONSULTATION SERVICES:

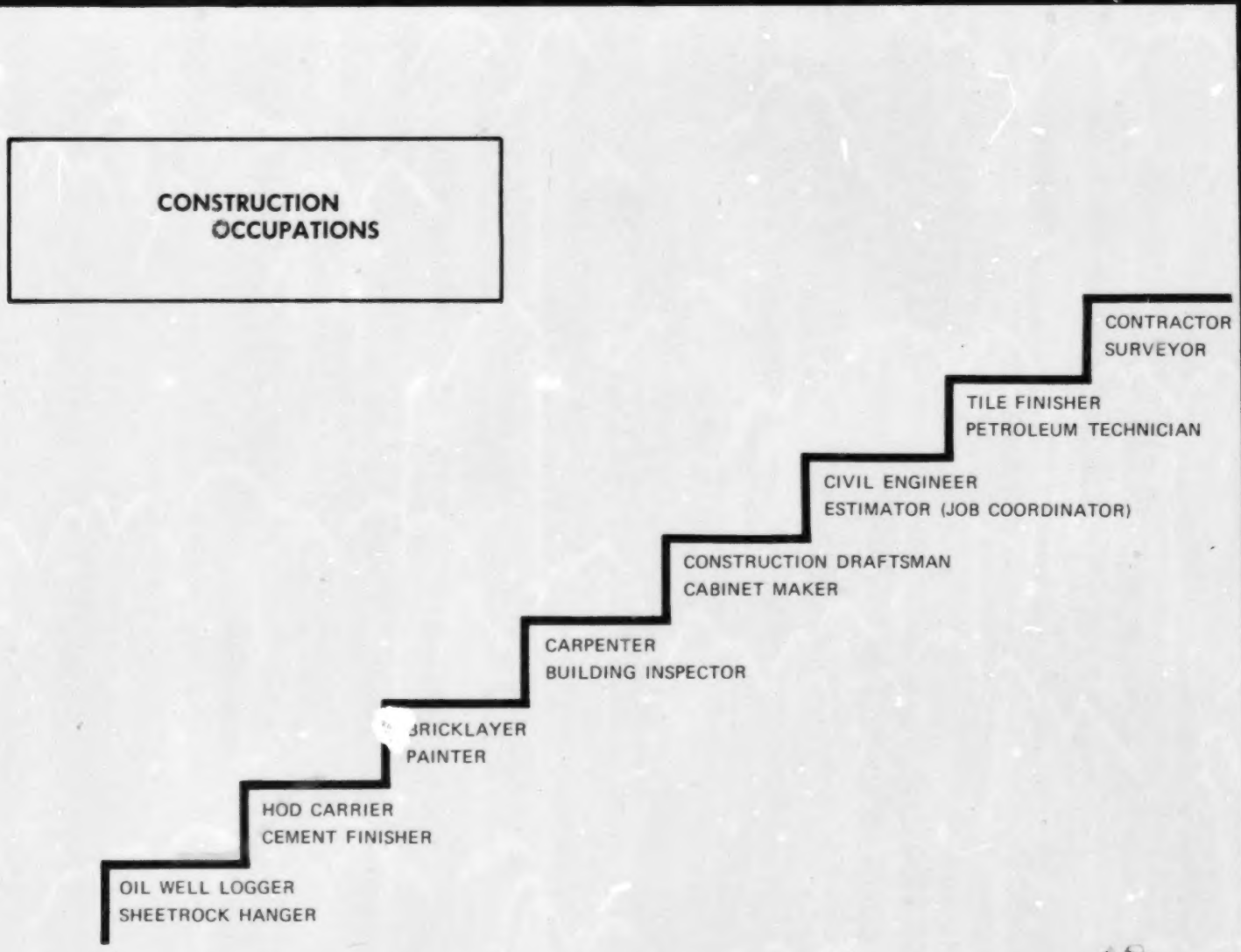
Marvin Hoflund
Keiji Okano
Myrtle Gillespie
Percy Kirk
Robert Helvey

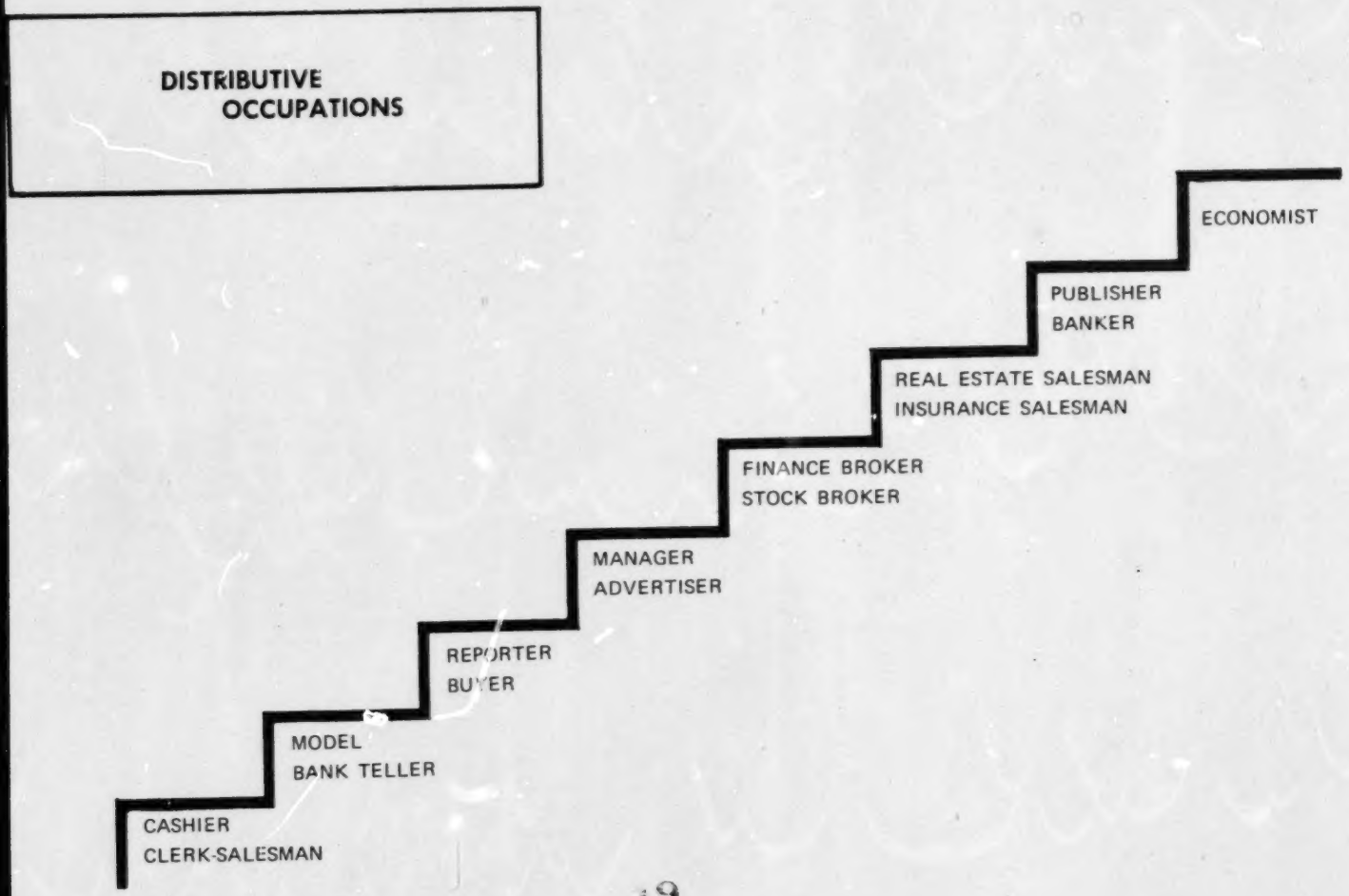
Telephone—777-7675

State Capitol Building
Cheyenne, Wyoming 82001

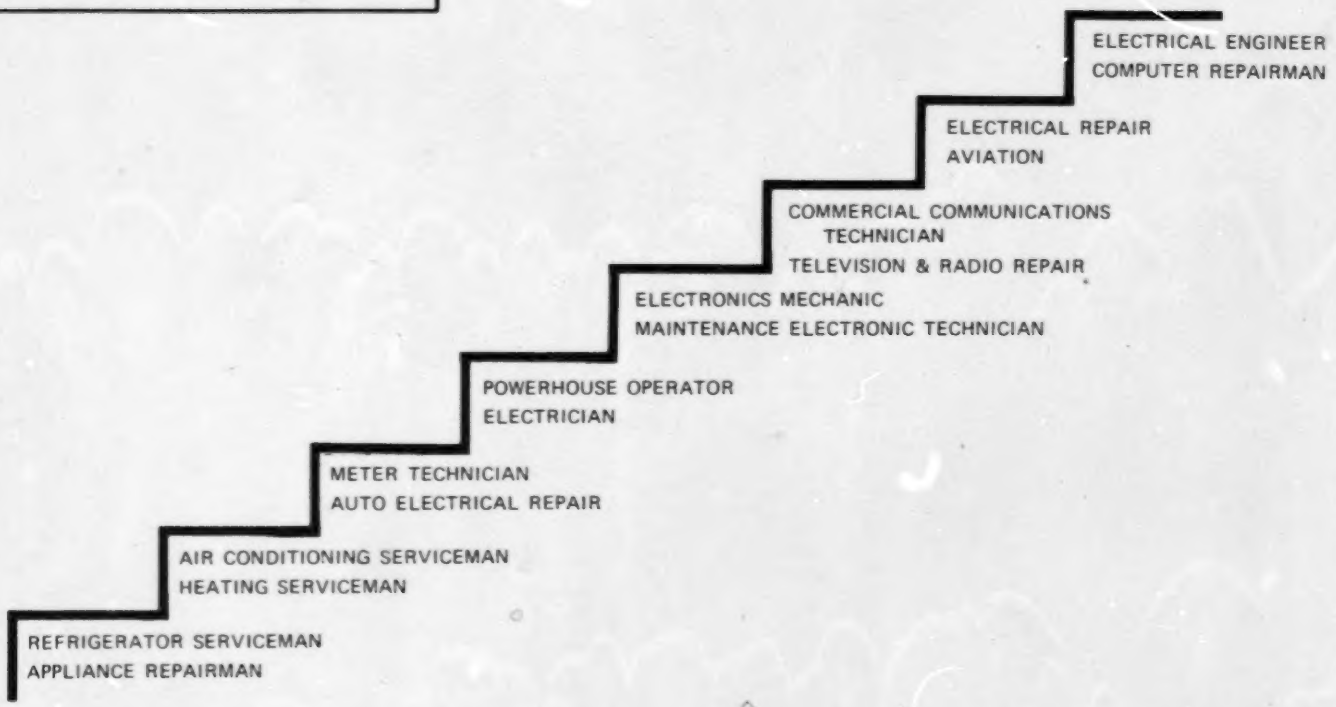
EXAMPLES OF OCCUPATIONS FOUND IN THE VARIOUS OCCUPATIONAL CLUSTERS

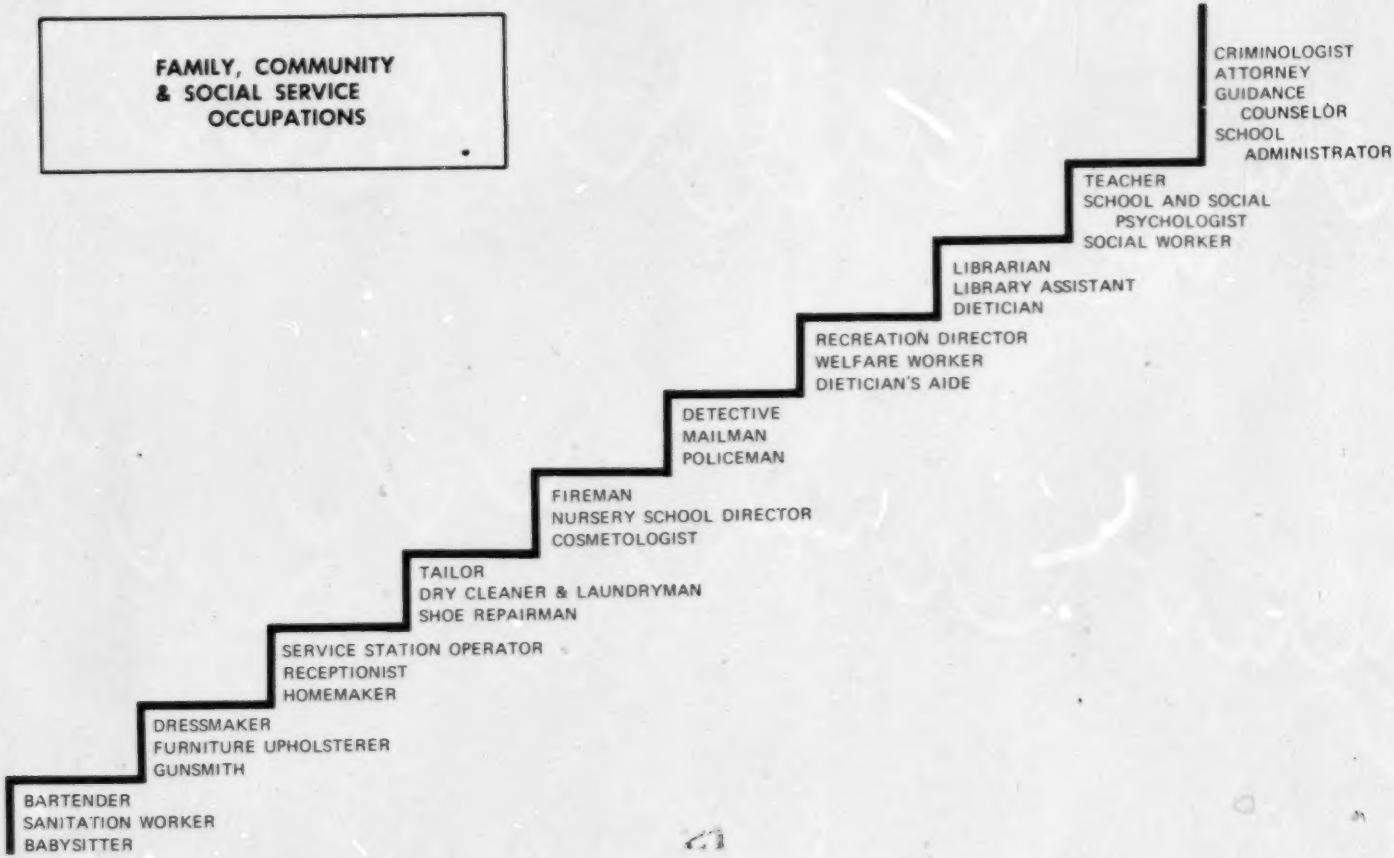

AGRICULTURE
OCCUPATIONS
FLORIST
GARDENER
LOGGER
POULTRY PRODUCER
BEEF OR SHEEP PRODUCER
DAIRYMAN
AGRICULTURE TECHNICIAN
FARM IMPLEMENT SALESMAN
FARM MECHANIC
FARMER
NURSERYMAN
LANDSCAPING ARTIST
FARM MANAGER
FEED LOT MANAGER
FEED MILL OPERATOR
CONSERVATIONIST
GAME WARDEN
FOREST RANGER
ECOLOGIST
HORTICULTURIST
COUNTY AGENT
ICHTHYOLOGIST
ORNITHOLOGIST
GEOLOGIST
VETERINARIAN
ENTOMOLOGIST

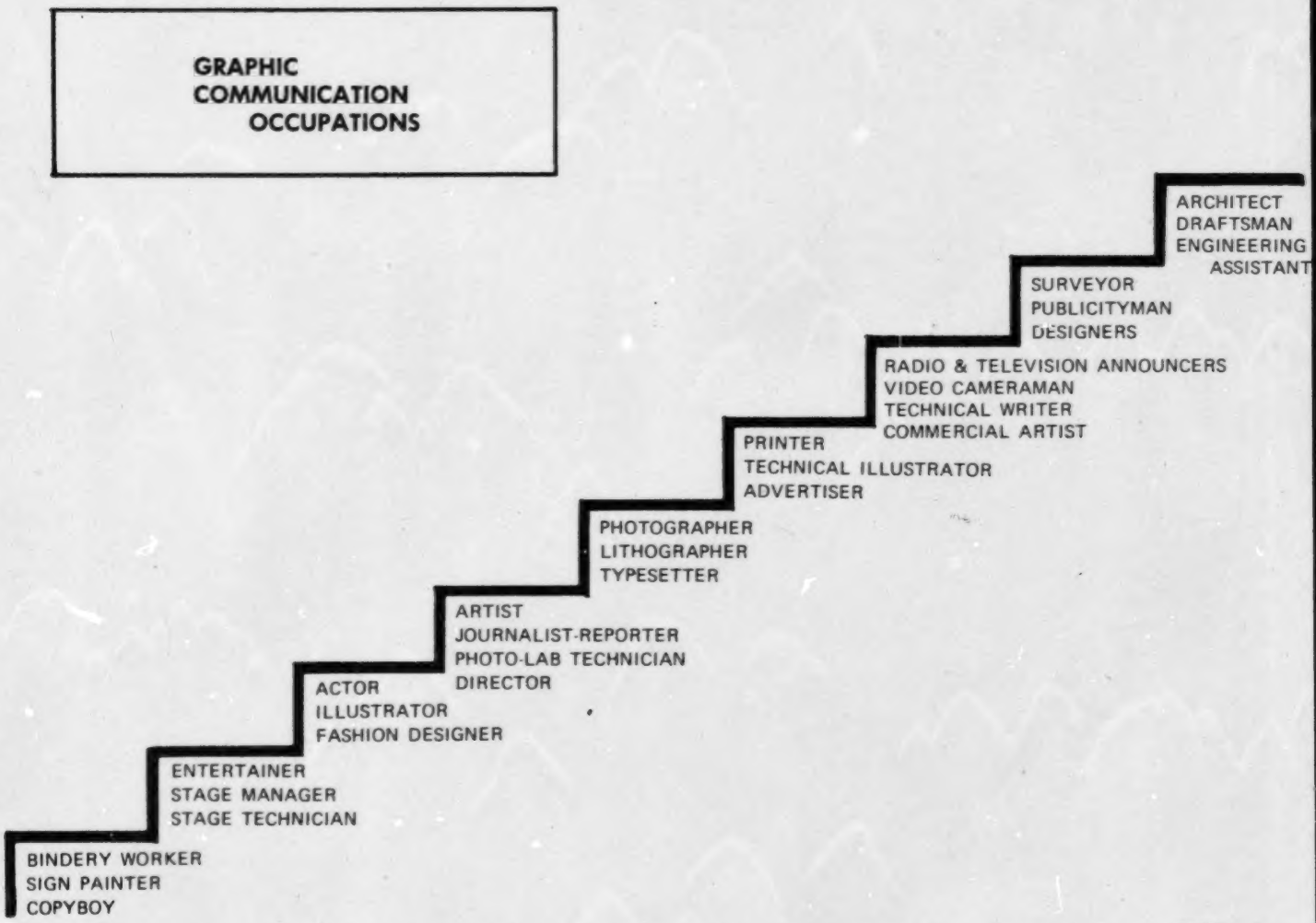

CONSTRUCTION
OCCUPATIONS
CONTRACTOR
SURVEYOR
TILE FINISHER
PETROLEUM TECHNICIAN
CIVIL ENGINEER
ESTIMATOR (JOB COORDINATOR)
CONSTRUCTION DRAFTSMAN
CABINET MAKER
CARPENTER
BUILDING INSPECTOR
BRICKLAYER
PAINTER
HOD CARRIER
CEMENT FINISHER
OIL WELL LOGGER
SHEETROCK HANGER

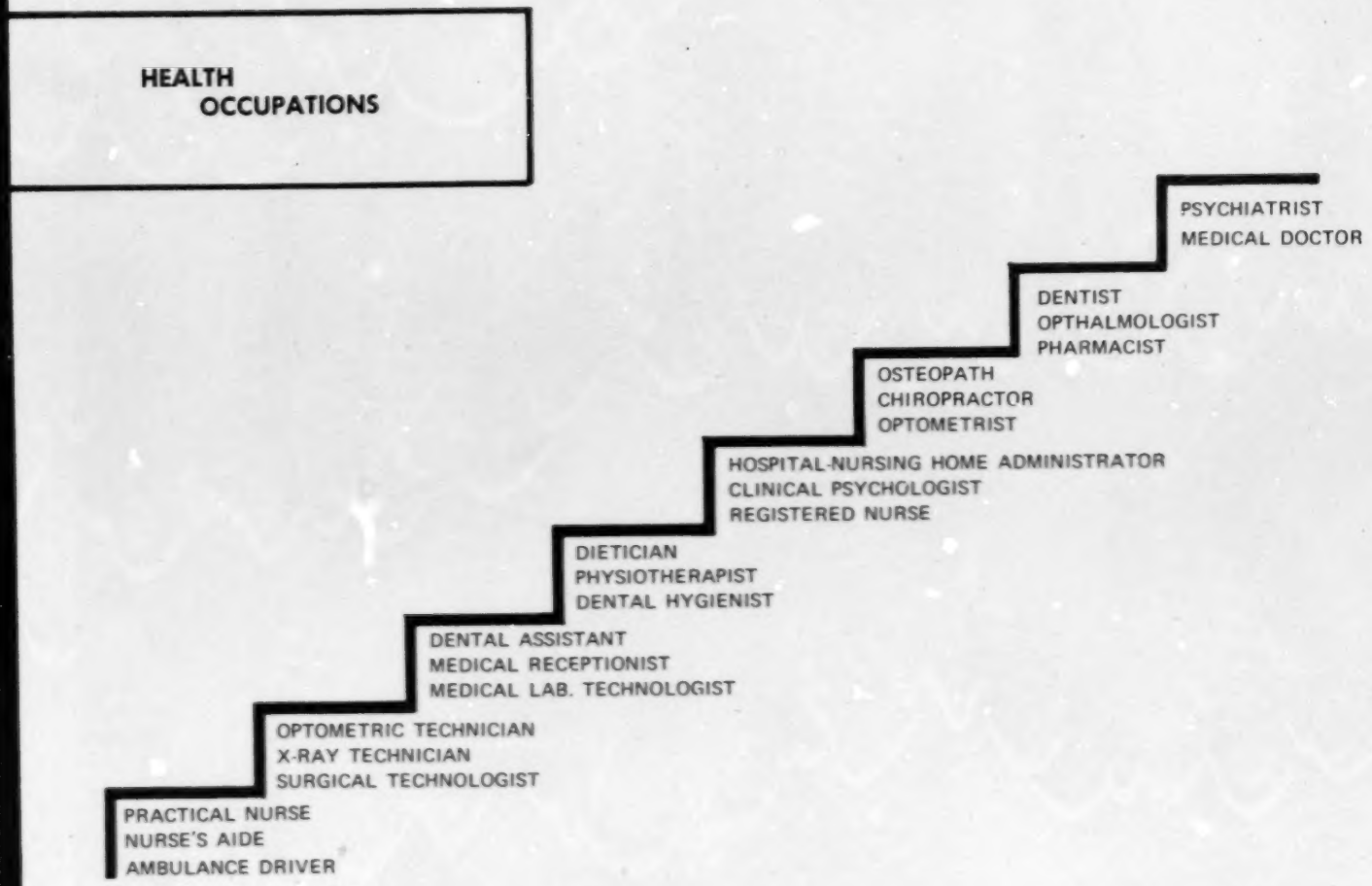

DISTRIBUTIVE
OCCUPATIONS
CASHIER
CLERK-SALESMAN
MODEL
BANK TELLER
REPORTER
BUYER
MANAGER
ADVERTISER
FINANCE BROKER
STOCK BROKER
REAL ESTATE SALESMAN
INSURANCE SALESMAN
PUBLISHER
BANKER
ECONOMIST

ELECTRICAL OCCUPATIONS

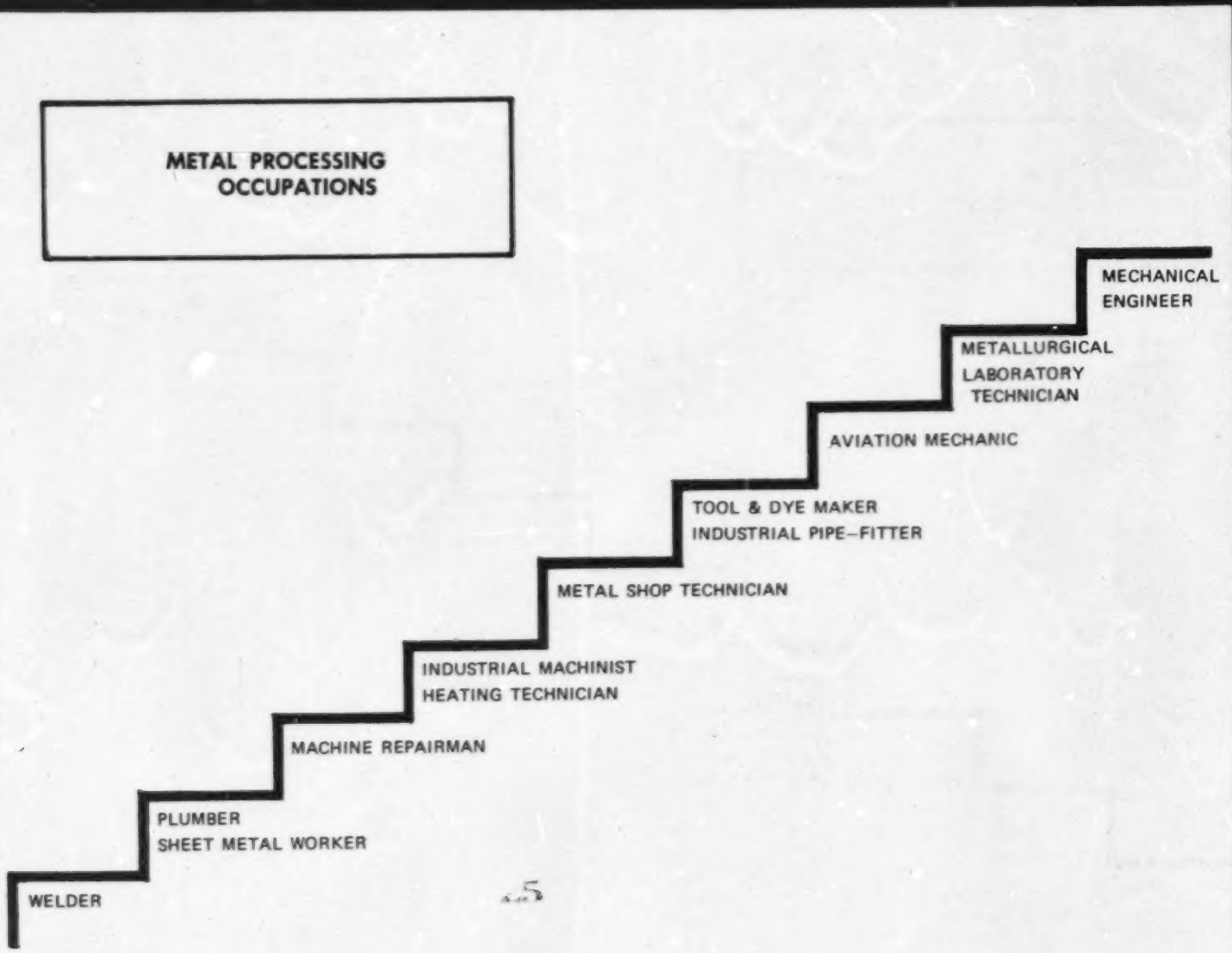


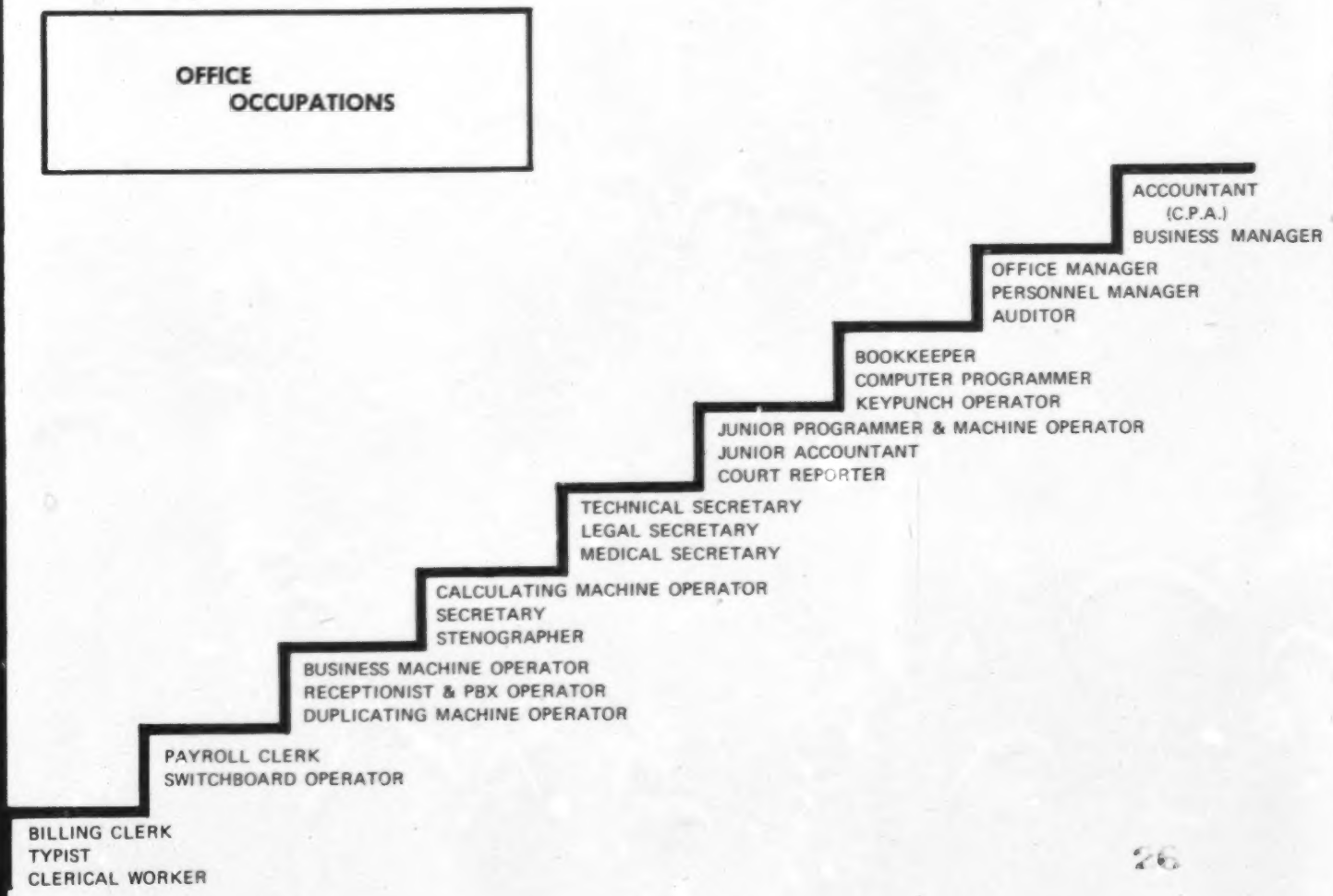

FAMILY, COMMUNITY
& SOCIAL SERVICE
OCCUPATIONS
BARTENDER
SANITATION WORKER
BABYSITTER
DRESSMAKER
FURNITURE UPHOLSTERER
GUNSMITH
SERVICE STATION OPERATOR
RECEPTIONIST
HOMEMAKER
TAILOR
DRY CLEANER & LAUNDRYMAN
SHOE REPAIRMAN
FIREMAN
NURSERY SCHOOL DIRECTOR
COSMETOLOGIST
DETECTIVE
MAILMAN
POLICEMAN
RECREATION DIRECTOR
WELFARE WORKER
DIETICIAN'S AIDE
LIBRARIAN
LIBRARY ASSISTANT
DIETICIAN
TEACHER
SCHOOL AND SOCIAL
PSYCHOLOGIST
SOCIAL WORKER
CRIMINOLOGIST
ATTORNEY
GUIDANCE
COUNSELOR
SCHOOL
ADMINISTRATOR

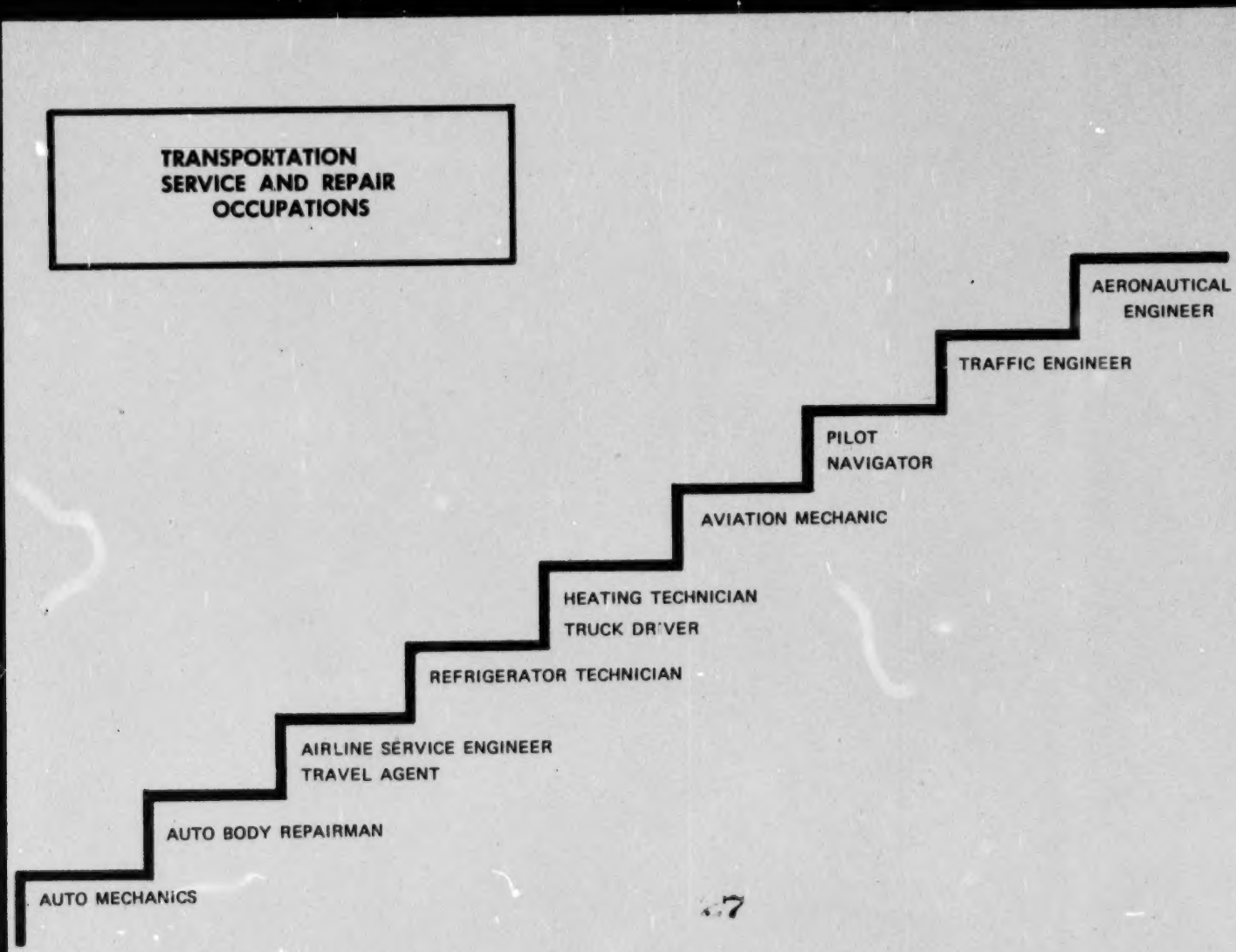

GRAPHIC
COMMUNICATION
OCCUPATIONS
BINDERY WORKER
SIGN PAINTER
COPYBOY
ENTERTAINER
STAGE MANAGER
STAGE TECHNICIAN
ACTOR
ILLUSTRATOR
FASHION DESIGNER
ARTIST
JOURNALIST-REPORTER
PHOTO-LAB TECHNICIAN
DIRECTOR
PHOTOGRAPHER
LITHOGRAPHER
TYPESETTER
PRINTER
TECHNICAL ILLUSTRATOR
ADVERTISER
RADIO & TELEVISION ANNOUNCERS
VIDEO CAMERAMAN
TECHNICAL WRITER
COMMERCIAL ARTIST
SURVEYOR
PUBLICITYMAN
DESIGNERS
ARCHITECT
DRAFTSMAN
ENGINEERING
ASSISTANT


HEALTH
OCCUPATIONS
PSYCHIATRIST
MEDICAL DOCTOR
DENTIST
OPTHALMOLOGIST
PHARMACIST
OSTEOPATH
CHIROPRACTOR
OPTOMETRIST
HOSPITAL-NURSING HOME ADMINISTRATOR
CLINICAL PSYCHOLOGIST
REGISTERED NURSE
DIETICIAN
PHYSIOTHERAPIST
DENTAL HYGIENIST
DENTAL ASSISTANT
MEDICAL RECEPTIONIST
MEDICAL LAB. TECHNOLOGIST
OPTOMETRIC TECHNICIAN
X-RAY TECHNICIAN
SURGICAL TECHNOLOGIST
PRACTICAL NURSE
NURSE'S AIDE
AMBULANCE DRIVER

HOSPITALITY OCCUPATIONS


METAL PROCESSING
OCCUPATIONS
MECHANICAL
ENGINEER
METALLURGICAL
LABORATORY
TECHNICIAN
AVIATION MECHANIC
TOOL & DYE MAKER
INDUSTRIAL PIPE–FITTER
METAL SHOP TECHNICIAN
INDUSTRIAL MACHINIST
HEATING TECHNICIAN
MACHINE REPAIRMAN
PLUMBER
SHEET METAL WORKER
WELDER


OFFICE
OCCUPATIONS
ACCOUNTANT
(C.P.A.)
BUSINESS MANAGER
OFFICE MANAGER
PERSONNEL MANAGER
AUDITOR
BOOKKEEPER
COMPUTER PROGRAMMER
KEYPUNCH OPERATOR
JUNIOR PROGRAMMER & MACHINE OPERATOR
JUNIOR ACCOUNTANT
COURT REPORTER
TECHNICAL SECRETARY
LEGAL SECRETARY
MEDICAL SECRETARY
CALCULATING MACHINE OPERATOR
SECRETARY
STENOGRAPHER
BUSINESS MACHINE OPERATOR
RECEPTIONIST & PBX OPERATOR
DUPLICATING MACHINE OPERATOR
PAYROLL CLERK
SWITCHBOARD OPERATOR
BILLING CLERK
TYPIST
CLERICAL WORKER


TRANSPORTATION
SERVICE AND REPAIR
OCCUPATIONS
AUTO MECHANICS
AUTO BODY REPAIRMAN
AIRLINE SERVICE ENGINEER
TRAVEL AGENT
REFRIGERATOR TECHNICIAN
HEATING TECHNICIAN
TRUCK DRIVER
AVIATION MECHANIC
PILOT
NAVIGATOR
TRAFFIC ENGINEER
AERONAUTICAL
ENGINEER